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Incoming: 9400870

## Department of Energy

Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

94-RPS-172

MAR 25 1994

Mr. A. W. Conklin, Head  
Air Emissions and Defense  
Waste Section  
State of Washington  
Department of Health  
Airdustrial Park Building 5, LE-13  
Olympia, Washington 98504-0095

Dear Mr. Conklin:

RADIATION PROTECTION - AIR EMISSIONS, NOTICE OF CONSTRUCTION FOR THE  
105N BASIN STABILIZATION

Enclosed for your review and approval is the Notice of Construction (NOC) for the 105N Basin (N Basin) Stabilization Project. The NOC is being submitted pursuant to Washington Administrative Code (WAC) 246-247-070, "New and Modified Sources." The N Basin Stabilization Project will place the N Basin in a radiologically and environmentally safe condition so that it can be decommissioned at a later date.

The N Basin total projected effective dose equivalent (EDE) to the offsite maximally exposed individual (MEI) from unabated emissions is 0.27 millirem per year (mrem/year) (based on good engineering judgement). The total projected EDE to the offsite MEI from abated emissions is 0.0002 mrem/yr. The dose attributable to radiological emissions from the N Basin stabilization project will contribute 0.002 percent of the WAC 246-247 EDE regulatory limit of ten mrem/yr to the offsite MEI.

Should you have questions regarding this letter, please contact me or Mr. S. D. Stites of my staff on (509) 376-8566.

Sincerely,

*James E. Rasmussen*  
for James D. Bauer, Program Manager  
Office of Environmental Assurance,  
Permits, and Policy

EAP:SDS

Enclosure

cc w/encl:  
J. J. Luke, WHC  
D. L. Schilperoort, WHC



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Author

Addressee

Correspondence No.

J. D. Bauer, RL  
(E. T. Coenenberg, WHC)

A. W. Conklin, DOH

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Subject: RADIATION PROTECTION - AIR EMISSIONS, NOTICE OF CONSTRUCTION FOR THE  
105N BASIN STABILIZATION

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